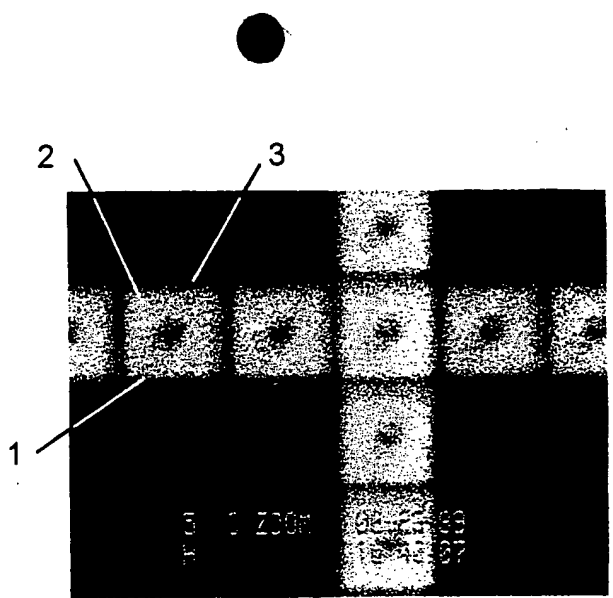


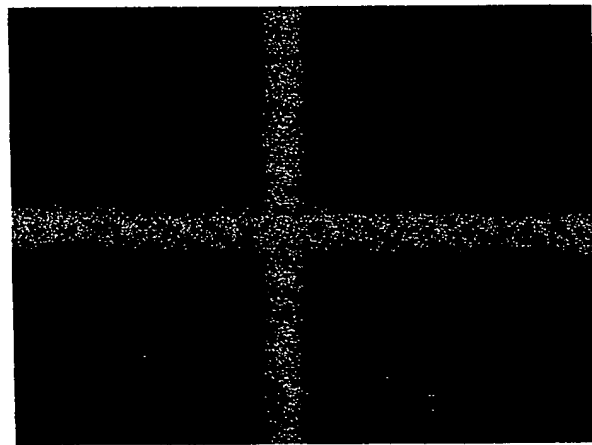
Fig. 1a



Typical Out-of-Convergence Image

Fig. 1b

(prior art)



Typical Out-of-Focus Image

Fig. 2

(prior art)

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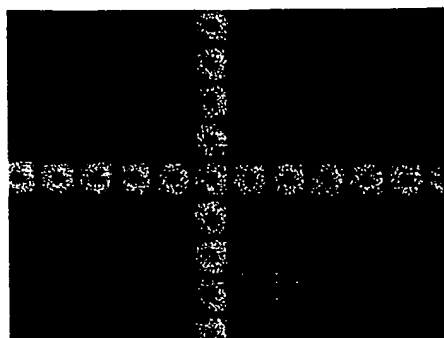


Fig. 3 (prior art)

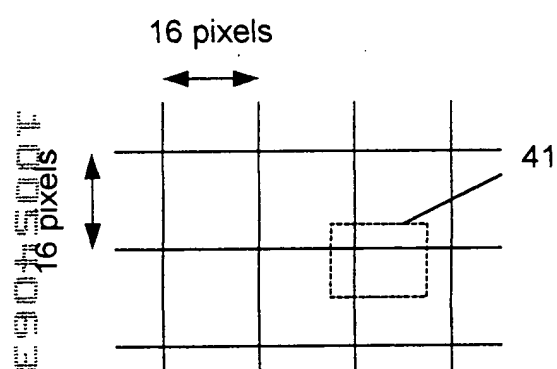


Fig. 4a

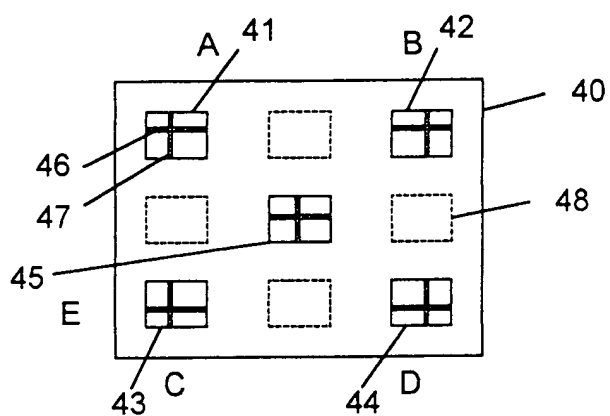


Fig. 4b

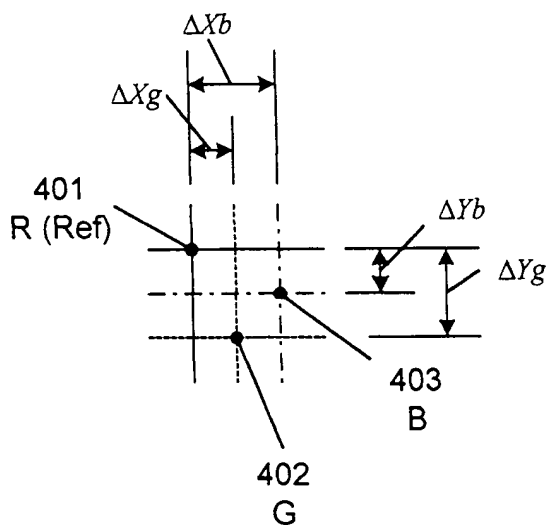


Fig. 4c

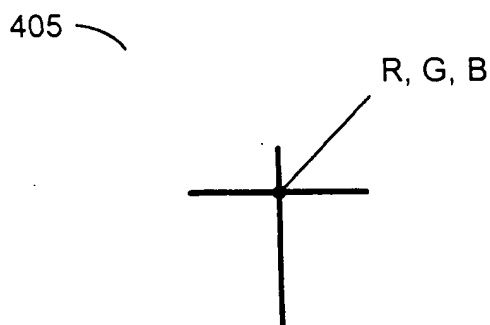


Fig. 4d

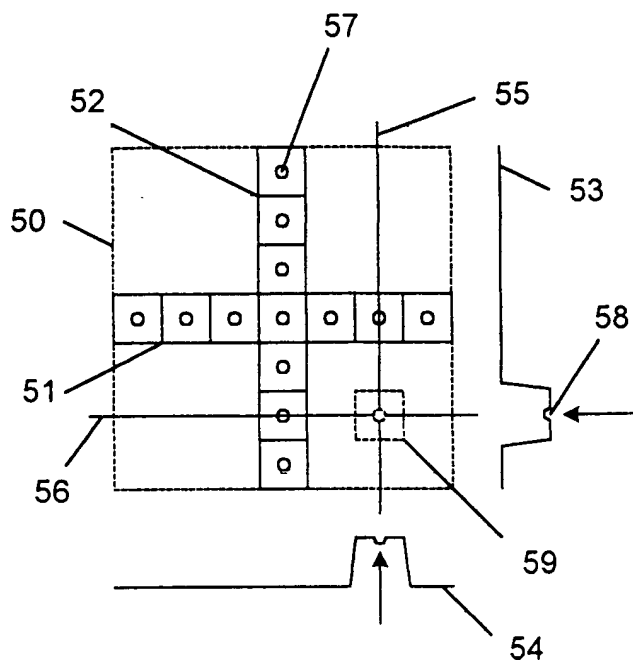


Fig. 5

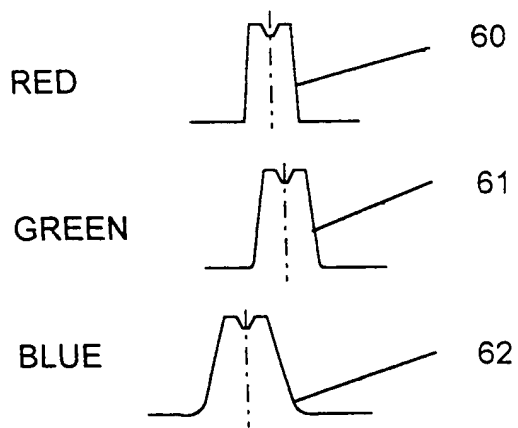


Fig. 6

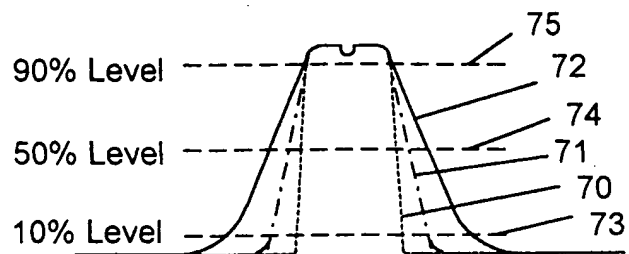


Fig. 7

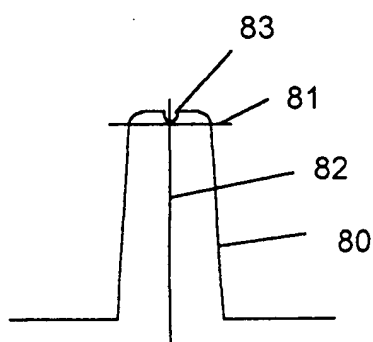


Fig. 8a

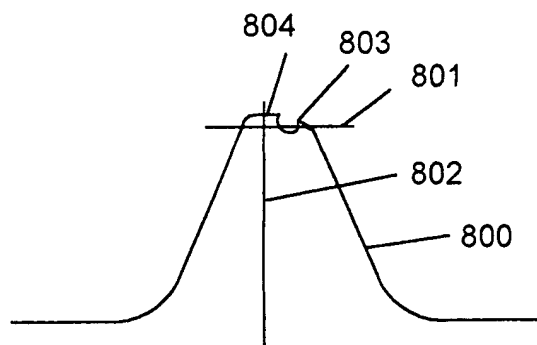


Fig. 8b

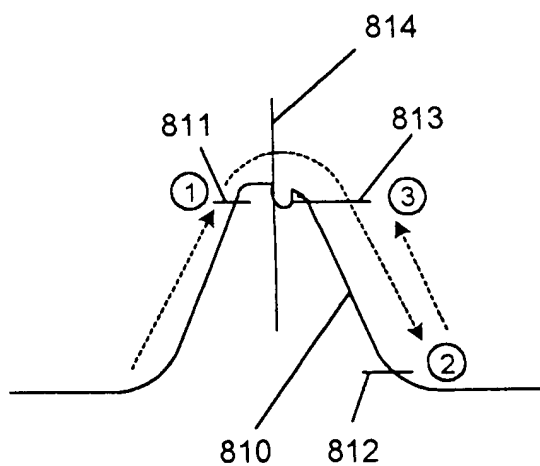


Fig. 8c

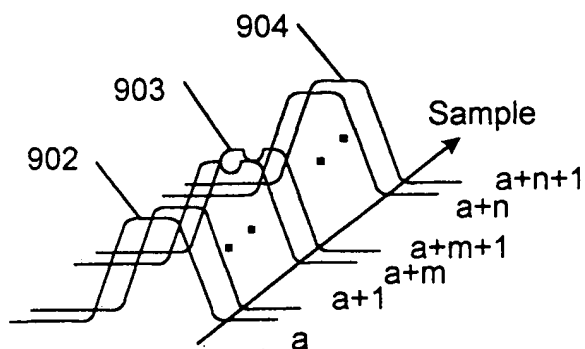


Fig. 9a

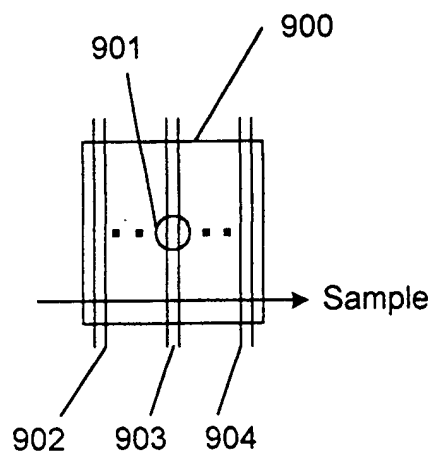


Fig. 9b

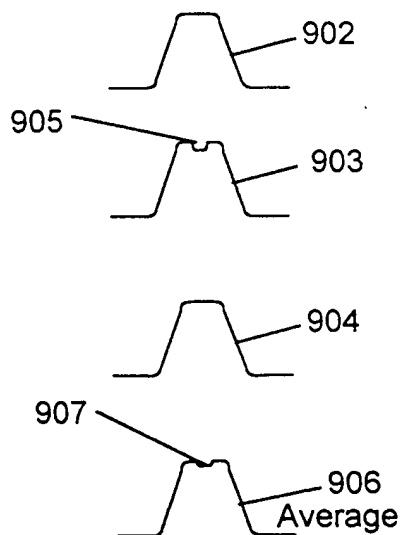


Fig. 9c

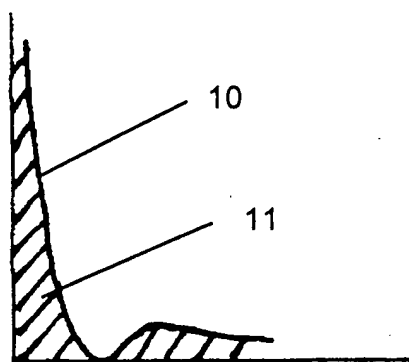


Fig. 10a

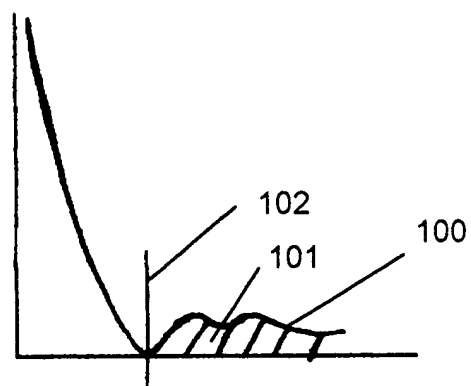
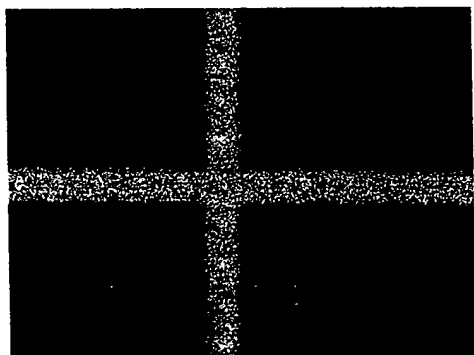
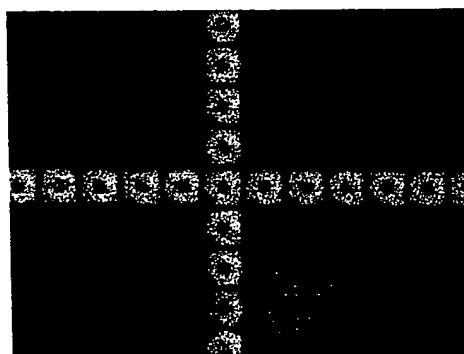


Fig. 10b



Out-of-Focus

Fig. 11a



In-Focus

Fig. 11b

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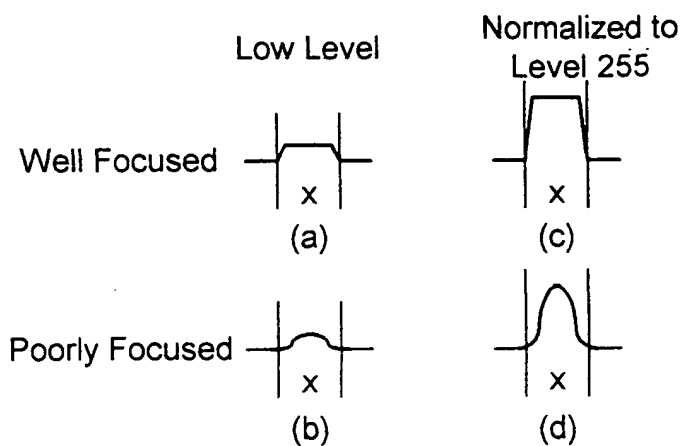


Fig. 12

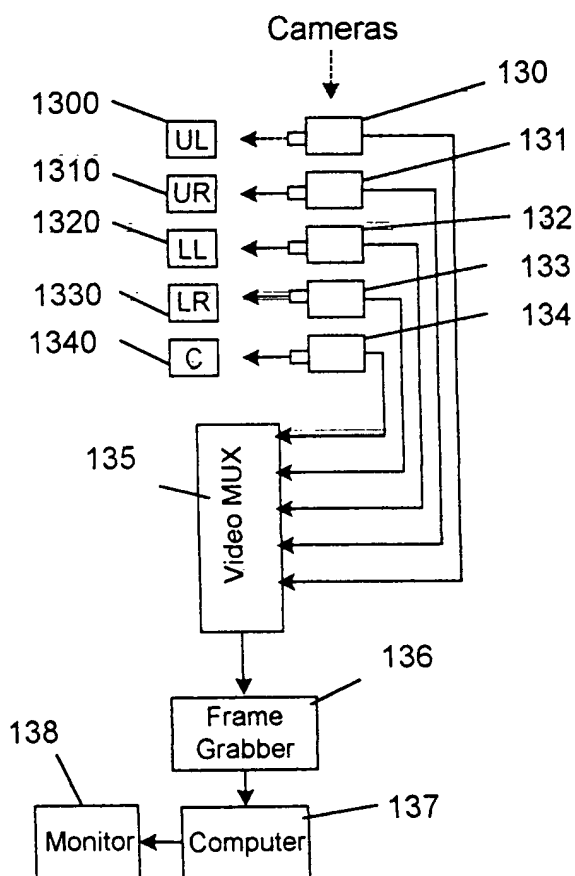


Fig. 13a

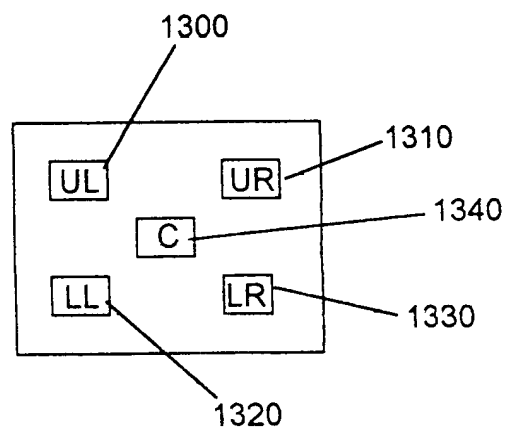
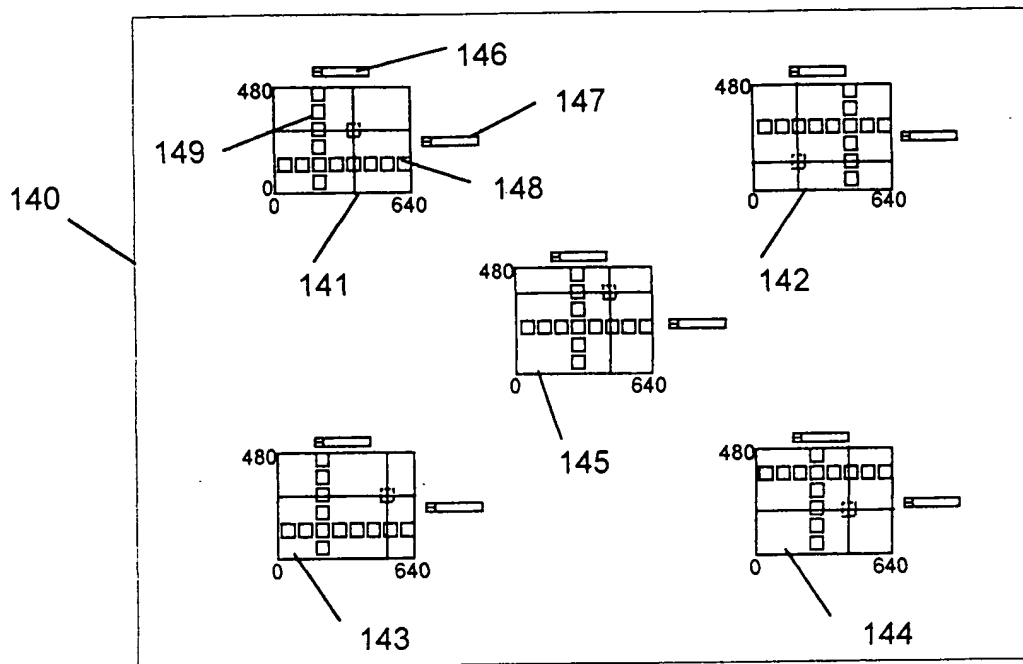
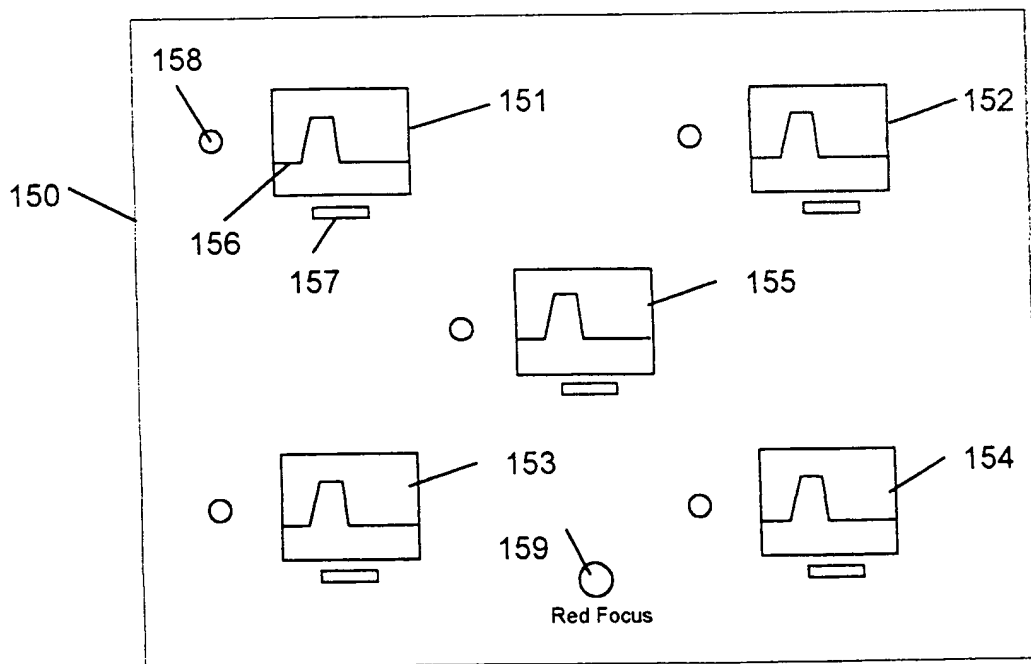


Fig. 13b



Convergence Screen

Fig. 14



Focus Screen

Fig. 15

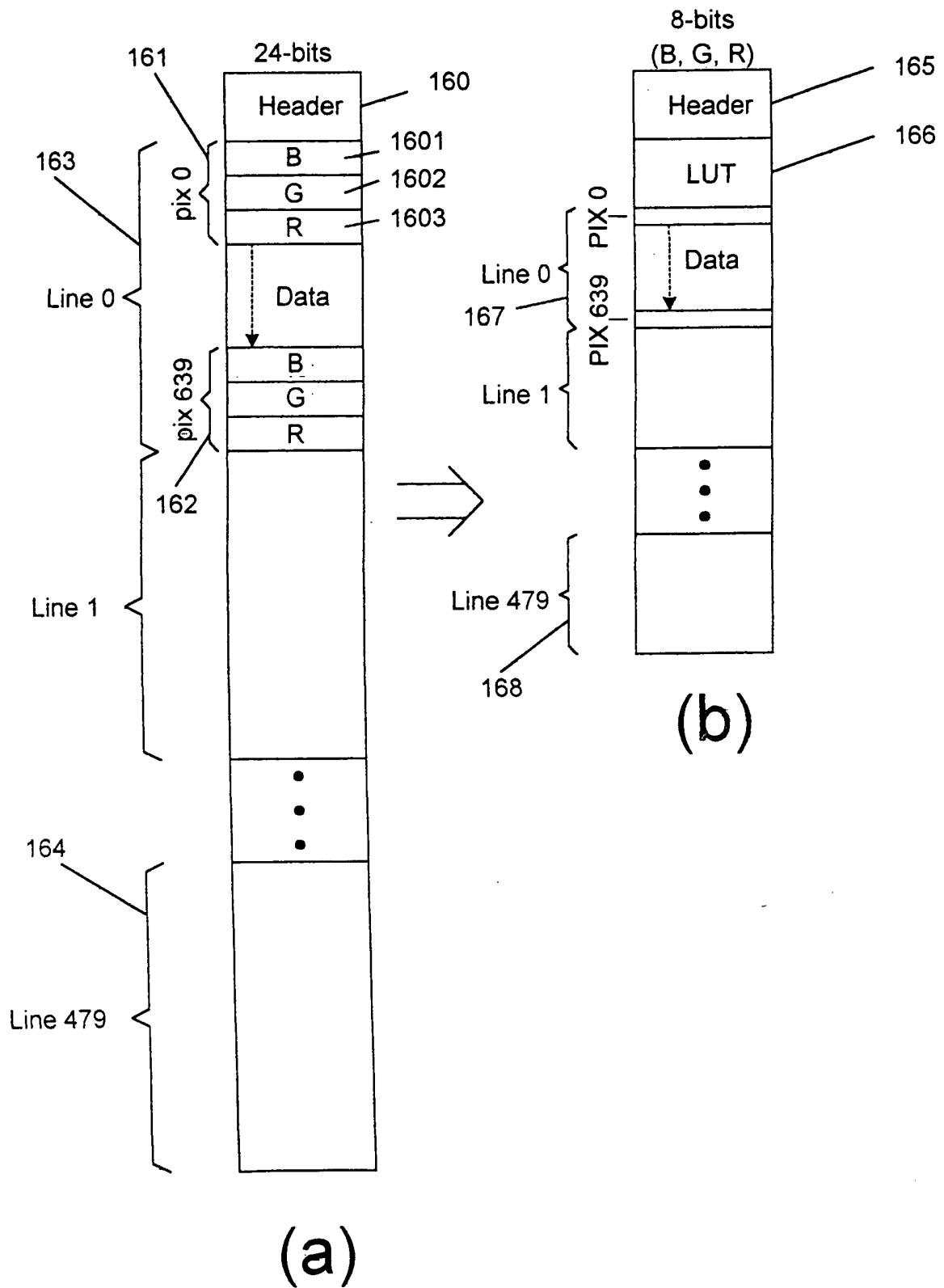


Fig. 16

```

graph TD
    A[File to array  
X [921654]] --> B[Strip header,  
Repack and linearize into *  
Red_Data [480][640]  
Green_Data [480][640]  
Blue_Data [480][640]]
    B --> C[Set initial start points  
Line num = 469  
Column num = 10]
    C --> D[Extract RGB line data and  
column data from data arrays  
x_horiz  
y_vert]
    D --> E{Red?}
    E -- Y --> F[Determine 10%, 90%  
value of  
Red_horiz  
Red_vert]
    E -- N --> G{Green?}
    G -- Y --> H[Determine 10%, 90%  
value of  
Green_horiz  
Green_vert]
    G -- N --> I{Blue?}
    I -- Y --> J[Determine 10%, 90%  
value of  
Blue_horiz  
Blue_vert]
    I -- N --> K{White?}
    K -- Y --> L[Determine 10%, 90%  
value of  
Red_horiz  
Green_horiz  
Blue_horiz  
Red_vert  
Green_vert  
Blue_vert]
    F --> M[Determine center  
of red pix  
Red_H_center  
Red_V_center]
    M --> A((A))
    H --> N[Determine center  
of green pix  
Green_H_center  
Green_V_center]
    N --> B((B))
    J --> O[Determine center  
of blue pix  
Blue_H_center  
Blue_V_center]
    O --> C((C))
    L --> P[Determine center  
of each pix  
Red_H_center  
Green_H_center  
Blue_H_center  
Red_V_center  
Green_V_center  
Blue_V_center]
    P --> D((D))

```

FIG. 17 a

100E4063 44304

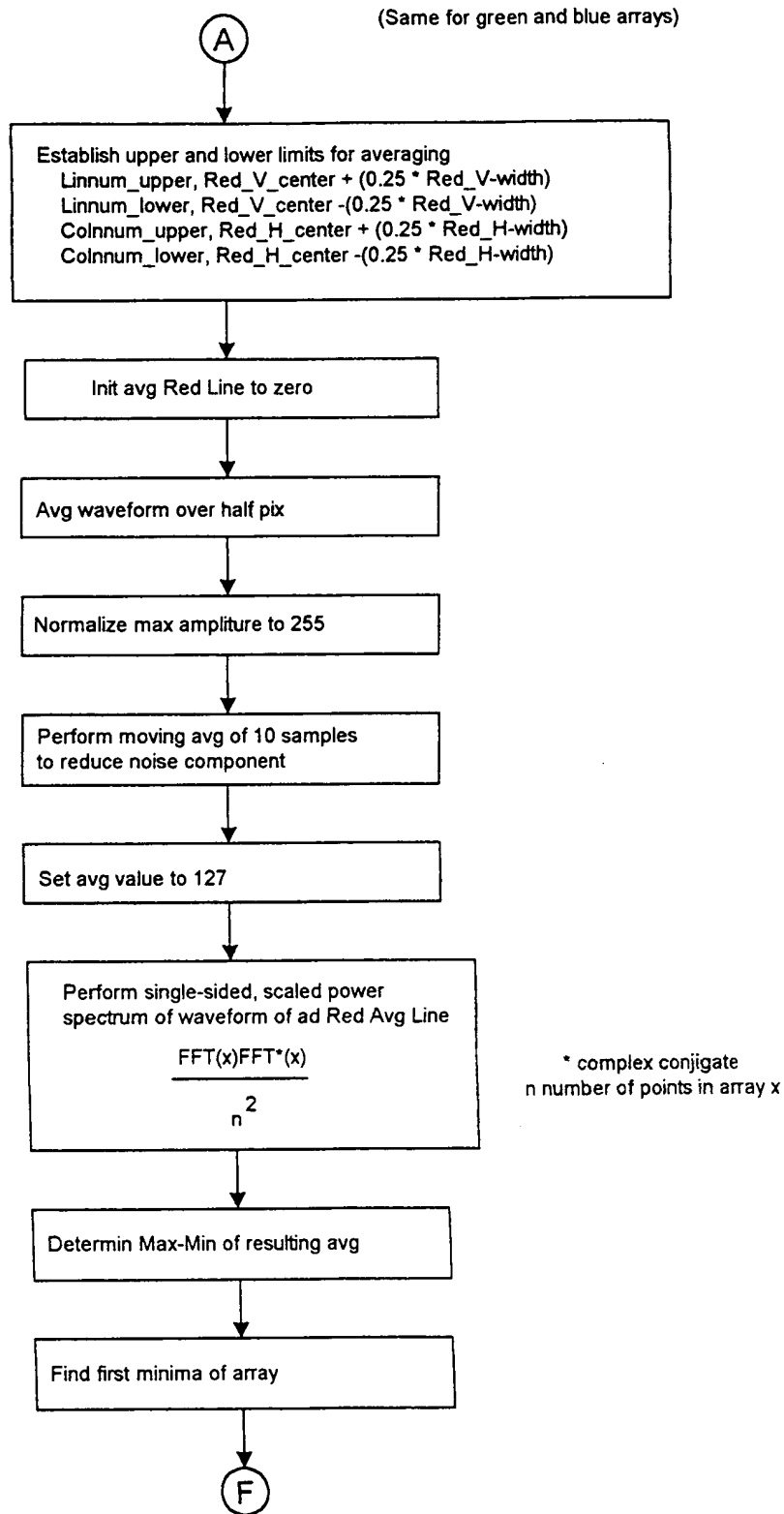


FIG. 17b

1004063-11001

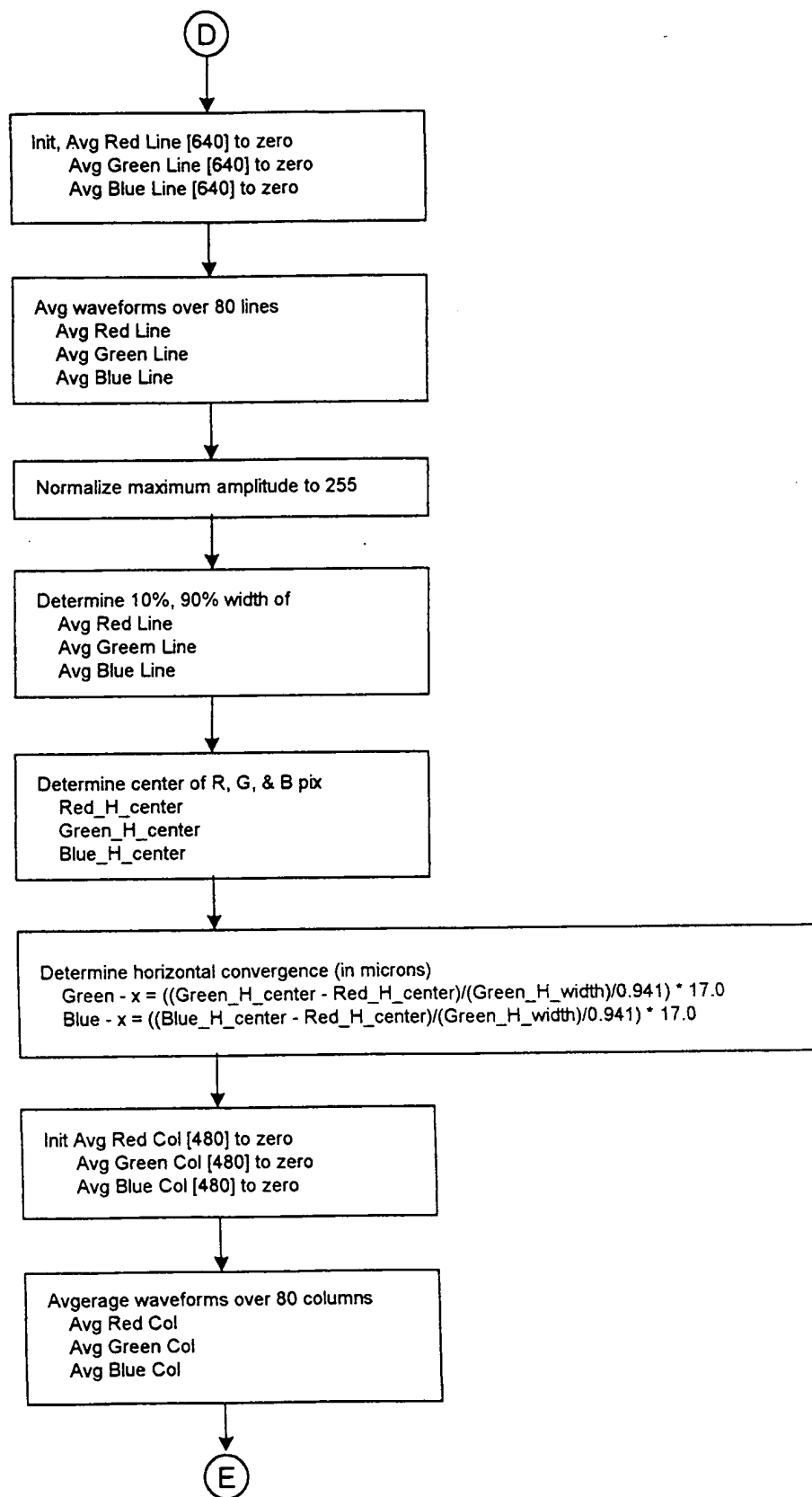


FIG. 17C

10054063 " 44304

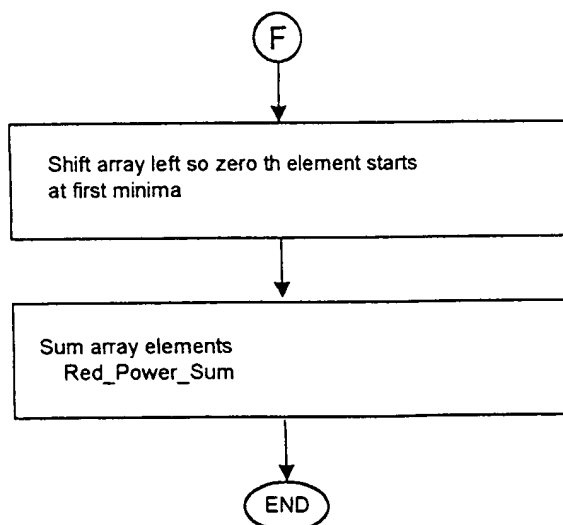
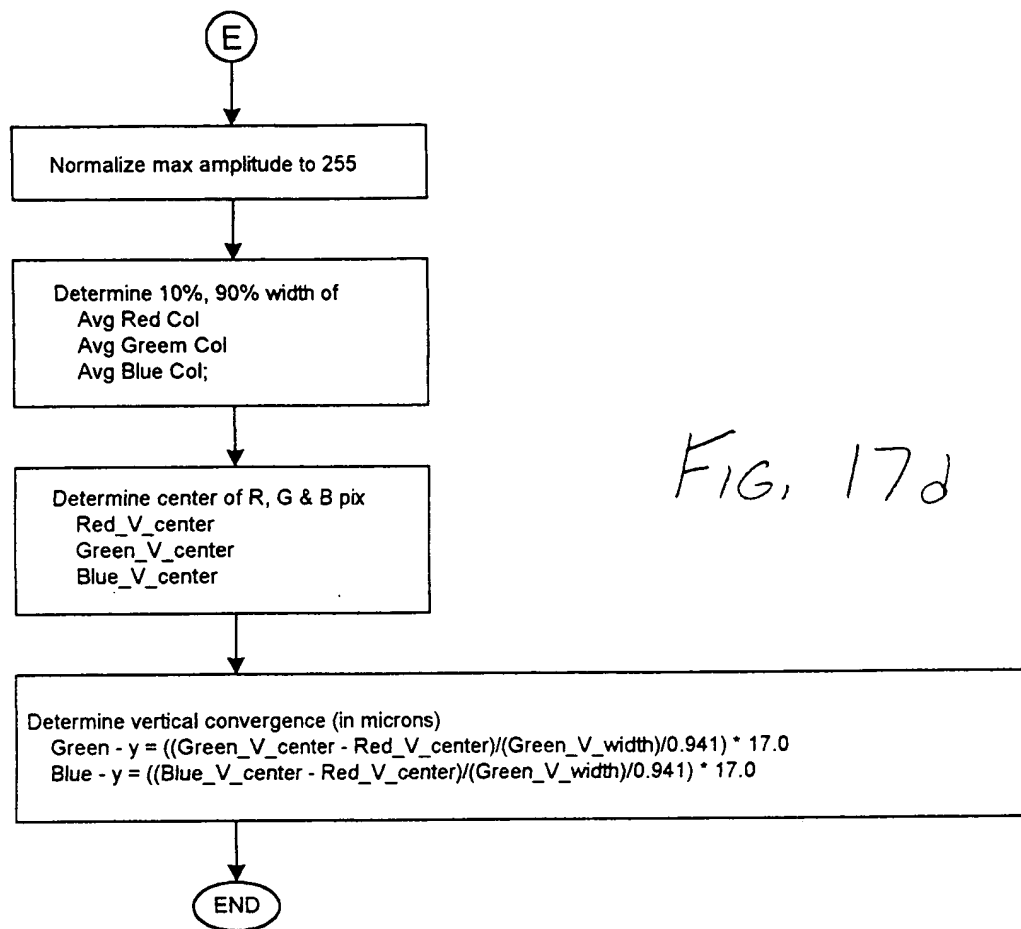


FIG. 17e